

Abstract:

The invention relates to a method for partially and selectively hydrogenating a polymer made of at least a conjugated diene monomer having a vinyl content of from 20 to 65 %, comprising a hydrogenation step on a solution of the
5 polymer, characterized in that the hydrogenation step is performed in the presence of an iron-containing catalyst whereby a hydrogenated polymer is obtained wherein the vinyl content is reduced to 5 % or less, whereas the content of 1,4-double bonds is maintained at a level of at least 30 %.